

# Steven J Lehotay

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5236220/publications.pdf>

Version: 2024-02-01

79  
papers

12,462  
citations

61984

43  
h-index

69250

77  
g-index

81  
all docs

81  
docs citations

81  
times ranked

6240  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast and Easy Multiresidue Method Employing Acetonitrile Extraction/Partitioning and Dispersive Solid-Phase Extraction for the Determination of Pesticide Residues in Produce. Journal of AOAC INTERNATIONAL, 2003, 86, 412-431.	1.5	4,413
2	Comparison of QuEChERS sample preparation methods for the analysis of pesticide residues in fruits and vegetables. Journal of Chromatography A, 2010, 1217, 2548-2560.	3.7	726
3	Determination of Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate: Collaborative Study. Journal of AOAC INTERNATIONAL, 2007, 90, 485-520.	1.5	694
4	Validation of a Fast and Easy Method for the Determination of Residues from 229 Pesticides in Fruits and Vegetables Using Gas and Liquid Chromatography and Mass Spectrometric Detection. Journal of AOAC INTERNATIONAL, 2005, 88, 595-614.	1.5	572
5	Use of Buffering and Other Means to Improve Results of Problematic Pesticides in a Fast and Easy Method for Residue Analysis of Fruits and Vegetables. Journal of AOAC INTERNATIONAL, 2005, 88, 615-629.	1.5	563
6	Evaluation of Two Fast and Easy Methods for Pesticide Residue Analysis in Fatty Food Matrixes. Journal of AOAC INTERNATIONAL, 2005, 88, 630-638.	1.5	398
7	Evaluation of analyte protectants to improve gas chromatographic analysis of pesticides. Journal of Chromatography A, 2003, 1015, 163-184.	3.7	327
8	Evaluation of common organic solvents for gas chromatographic analysis and stability of multiclass pesticide residues. Journal of Chromatography A, 2004, 1040, 259-272.	3.7	277
9	Combination of Analyte Protectants To Overcome Matrix Effects in Routine GC Analysis of Pesticide Residues in Food Matrixes. Analytical Chemistry, 2005, 77, 8129-8137.	6.5	224
10	Evaluation of the QuEChERS sample preparation approach for the analysis of pesticide residues in olives. Journal of Separation Science, 2007, 30, 620-632.	2.5	207
11	Practical approaches to fast gas chromatography-mass spectrometry. Journal of Chromatography A, 2003, 1000, 153-180.	3.7	205
12	Pesticide Multiresidue Analysis in Cereal Grains Using Modified QuEChERS Method Combined with Automated Direct Sample Introduction GC-TOFMS and UPLC-MS/MS Techniques. Journal of Agricultural and Food Chemistry, 2010, 58, 5959-5972.	5.2	204
13	High throughput analysis of 150 pesticides in fruits and vegetables using QuEChERS and low-pressure gas chromatography-time-of-flight mass spectrometry. Journal of Chromatography A, 2010, 1217, 6692-6703.	3.7	200
14	Multi-class, multi-residue analysis of pesticides, polychlorinated biphenyls, polycyclic aromatic hydrocarbons, polybrominated diphenyl ethers and novel flame retardants in fish using fast, low-pressure gas chromatography-tandem mass spectrometry. Analytica Chimica Acta, 2013, 758, 80-92.	5.4	191
15	Variability of matrix effects in liquid and gas chromatography-mass spectrometry analysis of pesticide residues after QuEChERS sample preparation of different food crops. Journal of Chromatography A, 2012, 1270, 235-245.	3.7	187
16	Determination of pesticide residues in foods by acetonitrile extraction and partitioning with magnesium sulfate: collaborative study. Journal of AOAC INTERNATIONAL, 2007, 90, 485-520.	1.5	137
17	Validation of a fast and easy method for the determination of residues from 229 pesticides in fruits and vegetables using gas and liquid chromatography and mass spectrometric detection. Journal of AOAC INTERNATIONAL, 2005, 88, 595-614.	1.5	119
18	Identification and confirmation of chemical residues in food by chromatography-mass spectrometry and other techniques. TrAC - Trends in Analytical Chemistry, 2008, 27, 1070-1090.	11.4	116

#	ARTICLE	IF	CITATIONS
19	Evaluation of a recent product to remove lipids and other matrix co-extractives in the analysis of pesticide residues and environmental contaminants in foods. <i>Journal of Chromatography A</i> , 2016, 1449, 17-29.	3.7	114
20	Comparison of solid-phase extraction sorbents for cleanup in pesticide residue analysis of fresh fruits and vegetables. <i>Journal of Separation Science</i> , 2002, 25, 883-890.	2.5	112
21	Development of a Method of Analysis for 46 Pesticides in Fruits and Vegetables by Supercritical Fluid Extraction and Gas Chromatography/Ion TVap Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 1995, 78, 821-830.	1.5	110
22	Ruggedness testing and validation of a practical analytical method for >100 veterinary drug residues in bovine muscle by ultrahigh performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1258, 43-54.	3.7	110
23	Analysis of Pesticide Residues in Eggs by Direct Sample Introduction/Gas Chromatography/Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 4589-4596.	5.2	102
24	Analysis of Pesticide Residues in Mixed Fruit and Vegetable Extracts by Direct Sample Introduction/Gas Chromatography/Tandem Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2000, 83, 680-697.	1.5	101
25	Optimization and evaluation of low-pressure gas chromatography-mass spectrometry for the fast analysis of multiple pesticide residues in a food commodity. <i>Journal of Chromatography A</i> , 2001, 926, 291-308.	3.7	101
26	Fast, low-pressure gas chromatography triple quadrupole tandem mass spectrometry for analysis of 150 pesticide residues in fruits and vegetables. <i>Journal of Chromatography A</i> , 2011, 1218, 7039-7050.	3.7	101
27	Streamlined sample cleanup using combined dispersive solid-phase extraction and in-vial filtration for analysis of pesticides and environmental pollutants in shrimp. <i>Analytica Chimica Acta</i> , 2014, 827, 40-46.	5.4	98
28	Use of buffering and other means to improve results of problematic pesticides in a fast and easy method for residue analysis of fruits and vegetables. <i>Journal of AOAC INTERNATIONAL</i> , 2005, 88, 615-29.	1.5	98
29	QuEChERS Sample Preparation Approach for Mass Spectrometric Analysis of Pesticide Residues in Foods. <i>Methods in Molecular Biology</i> , 2011, 747, 65-91.	0.9	94
30	Use of ammonium formate in QuEChERS for high-throughput analysis of pesticides in food by fast, low-pressure gas chromatography and liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1358, 75-84.	3.7	90
31	Establishing the fitness for purpose of mass spectrometric methods. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 528-541.	2.8	87
32	Use of automated direct sample introduction with analyte protectants in the GC-MS analysis of pesticide residues. <i>Journal of Separation Science</i> , 2005, 28, 1048-1060.	2.5	84
33	Multi-Analyst, Multi-Matrix Performance of the QuEChERS Approach for Pesticide Residues in Foods and Feeds Using HPLC/MS/MS Analysis with Different Calibration Techniques. <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 355-367.	1.5	78
34	Evaluation of two fast and easy methods for pesticide residue analysis in fatty food matrixes. <i>Journal of AOAC INTERNATIONAL</i> , 2005, 88, 630-8.	1.5	69
35	Sampling and Sample Processing in Pesticide Residue Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 4395-4404.	5.2	61
36	Rapid analysis of aminoglycoside antibiotics in bovine tissues using disposable pipette extraction and ultrahigh performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1313, 103-112.	3.7	60

#	ARTICLE	IF	CITATIONS
37	Method validation for 243 pesticides and environmental contaminants in meats and poultry by tandem mass spectrometry coupled to low-pressure gas chromatography and ultrahigh-performance liquid chromatography. <i>Food Control</i> , 2016, 66, 270-282.	5.5	60
38	Current issues involving screening and identification of chemical contaminants in foods by mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 69, 62-75.	11.4	56
39	Comparison of veterinary drug residue results in animal tissues by ultrahigh-performance liquid chromatography coupled to triple quadrupole or quadrupole- <sup>2</sup> time-of-flight tandem mass spectrometry after different sample preparation methods, including use of a commercial lipid removal product. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2639-2653.	3.7	55
40	Automated Mini-Column Solid-Phase Extraction Cleanup for High-Throughput Analysis of Chemical Contaminants in Foods by Low-Pressure Gas Chromatography- <sup>2</sup> Tandem Mass Spectrometry. <i>Chromatographia</i> , 2016, 79, 1113-1130.	1.3	52
41	Development and validation of a streamlined method designed to detect residues of 62 veterinary drugs in bovine kidney using ultra- <sup>2</sup> high performance liquid chromatography - <sup>2</sup> tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2012, 4, 75-90.	2.6	48
42	Development of a Sample Preparation Technique for Supercritical Fluid Extraction for Multiresidue Analysis of Pesticides in Produce. <i>Journal of AOAC INTERNATIONAL</i> , 1995, 78, 831-840.	1.5	47
43	Simultaneous analysis of aminoglycosides with many other classes of drug residues in bovine tissues by ultrahigh-performance liquid chromatography- <sup>2</sup> tandem mass spectrometry using an ion-pairing reagent added to final extracts. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1095-1109.	3.7	47
44	Validation of a streamlined multiclass, multiresidue method for determination of veterinary drug residues in bovine muscle by liquid chromatography- <sup>2</sup> tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4423-4435.	3.7	43
45	Supercritical Fluid Extraction and Gas Chromatography/Ion Trap Mass Spectrometry of Pentachlorotrobenzene Pesticides in Vegetables. <i>Journal of AOAC INTERNATIONAL</i> , 1995, 78, 445-452.	1.5	41
46	Qualitative Aspects in the Analysis of Pesticide Residues in Fruits and Vegetables Using Fast, Low-Pressure Gas Chromatography- <sup>2</sup> Time-of-Flight Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 7544-7556.	5.2	41
47	High-Throughput Mega-Method for the Analysis of Pesticides, Veterinary Drugs, and Environmental Contaminants by Ultra-High-Performance Liquid Chromatography- <sup>2</sup> Tandem Mass Spectrometry and Robotic Mini-Solid-Phase Extraction Cleanup + Low-Pressure Gas Chromatography- <sup>2</sup> Tandem Mass Spectrometry, Part 1: Beef. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 1159-1168.	5.2	41
48	Determination of Pesticide Residues in Nonfatty Foods by Percritical Extraction and Gas Chromatography/Mass Spectrometry: Collaborative Study. <i>Journal of AOAC INTERNATIONAL</i> , 2002, 85, 1148-1166.	1.5	37
49	Evaluation of Different Parameters in the Extraction of Incurred Pesticides and Environmental Contaminants in Fish. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 5163-5168.	5.2	37
50	Hits and misses in research trends to monitor contaminants in foods. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5331-5351.	3.7	37
51	Evaluation of a Fast and Simple Sample Preparation Method for Polybrominated Diphenyl Ether (PBDE) Flame Retardants and Dichlorodiphenyltrichloroethane (DDT) Pesticides in Fish for Analysis by ELISA Compared with GC-MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 4429-4434.	5.2	36
52	Review of recent developments and applications in low-pressure (vacuum outlet) gas chromatography. <i>Analytica Chimica Acta</i> , 2015, 899, 13-22.	5.4	36
53	Analysis of Nitrosamines in Cooked Bacon by QuEChERS Sample Preparation and Gas Chromatography- <sup>2</sup> Tandem Mass Spectrometry with Backflushing. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10341-10351.	5.2	35
54	High-Throughput Mega-Method for the Analysis of Pesticides, Veterinary Drugs, and Environmental Contaminants by Ultra-High-Performance Liquid Chromatography- <sup>2</sup> Tandem Mass Spectrometry and Robotic Mini-Solid-Phase Extraction Cleanup + Low-Pressure Gas Chromatography- <sup>2</sup> Tandem Mass Spectrometry, Part 2: Catfish. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 1169-1174.	5.2	30

#	ARTICLE	IF	CITATIONS
55	Validation of a high-throughput method for analysis of pesticide residues in hemp and hemp products. <i>Journal of Chromatography A</i> , 2021, 1645, 462097.	3.7	20
56	Effects of Temperature and Purity of Magnesium Sulfate During Extraction of Pesticide Residues Using the QuEChERS Method. <i>Journal of AOAC INTERNATIONAL</i> , 2012, 95, 1311-1318.	1.5	19
57	Assessment of Test Portion Sizes after Sample Comminution with Liquid Nitrogen in an Improved High-Throughput Method for Analysis of Pesticide Residues in Fruits and Vegetables. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 1468-1479.	5.2	18
58	Issues in Mass Spectrometry Between Bench Chemists and Regulatory Laboratory Managers: Summary of the Roundtable on Mass Spectrometry Held at the 123rd AOAC INTERNATIONAL Annual Meeting. <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 1625-1632.	1.5	17
59	Use of a quality control approach to assess measurement uncertainty in the comparison of sample processing techniques in the analysis of pesticide residues in fruits and vegetables. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5465-5479.	3.7	15
60	Less than one minute low-pressure gas chromatography - mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1612, 460691.	3.7	15
61	Critical review and re-assessment of analyte protectants in gas chromatography. <i>Journal of Chromatography A</i> , 2020, 1632, 461596.	3.7	15
62	Extract-and-Inject Analysis of Veterinary Drug Residues in Catfish and Ready-to-Eat Meats by Ultrahigh-Performance Liquid Chromatography Tandem Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2020, 103, 584-606.	1.5	14
63	Multiresidue Analysis of Pesticides in Straw Roughage by Liquid Chromatography Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6091-6099.	5.2	13
64	Cryogenic Sample Processing with Liquid Nitrogen for Effective and Efficient Monitoring of Pesticide Residues in Foods and Feeds. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 9203-9209.	5.2	13
65	Blind analysis of fortified pesticide residues in carrot extracts using GC-MS to evaluate qualitative and quantitative performance. <i>Journal of Separation Science</i> , 2009, 32, 3706-3719.	2.5	12
66	Structural characterization of product ions by electrospray ionization and quadrupole time-of-flight mass spectrometry to support regulatory analysis of veterinary drug residues in foods. Part 2: Benzimidazoles, nitromidazoles, phenothiazines, and mectins. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 719-729.	1.5	12
67	Use of an Efficient Measurement Uncertainty Approach To Compare Room Temperature and Cryogenic Sample Processing in the Analysis of Chemical Contaminants in Foods. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4986-4996.	5.2	12
68	Comparison of four different multiclass, multiresidue sample preparation methods in the analysis of veterinary drugs in fish and other food matrices. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3223-3241.	3.7	11
69	Possibilities and Limitations of Isocratic Fast Liquid Chromatography-Tandem Mass Spectrometry Analysis of Pesticide Residues in Fruits and Vegetables. <i>Chromatographia</i> , 2019, 82, 235-250.	1.3	10
70	Validation of the QuEChERSER mega-method for the analysis of pesticides, veterinary drugs, and environmental contaminants in tilapia ( <i>Oreochromis Niloticus</i> ). <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2022, 39, 699-709.	2.3	9
71	Analysis of pesticides, veterinary drugs, and environmental contaminants in goat and lamb by the QuEChERSER mega-method. <i>Analytical Methods</i> , 2022, 14, 2761-2770.	2.7	8
72	Comparison of analyte identification criteria and other aspects in triple quadrupole tandem mass spectrometry: Case study using UHPLC-MS/MS for regulatory analysis of veterinary drug residues in liquid and powdered eggs. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 287-302.	3.7	6

#	ARTICLE	IF	CITATIONS
73	Structural characterization of product ions of regulated veterinary drugs by electrospray ionization and quadrupole time-of-flight mass spectrometry. Part 3: Anthelmintics and thyreostats. Rapid Communications in Mass Spectrometry, 2016, 30, 813-822.	1.5	4
74	Determination of pesticide residues in nonfatty foods by supercritical fluid extraction and gas chromatography/mass spectrometry: collaborative study. Journal of AOAC INTERNATIONAL, 2002, 85, 1148-66.	1.5	4
75	Committee on Residues and Related Topics. Journal of AOAC INTERNATIONAL, 2006, 89, 1697-1699.	1.5	1
76	Committee on Residues and Related Topics. Journal of AOAC INTERNATIONAL, 2008, 91, 46B-48B.	1.5	1
77	Committee on Residues and Related Topics. Journal of AOAC INTERNATIONAL, 2005, 88, 377-379.	1.5	0
78	Committee on Residues and Related Topics. Journal of AOAC INTERNATIONAL, 2007, 90, 61B-63B.	1.5	0
79	5th Latin American Pesticide Residue Workshop (LAPRW 2015). Chromatographia, 2016, 79, 1057-1059.	1.3	0